

# Flexit L50 X

Type	Automatic
L50 XEL	SP400
L50 XER	SP400
L50 XWL	SP400
L50 XWR	SP400
L50 XEL	CS1000
L50 XER	CS1000
L50 XWL	CS1000
L50 XWR	CS1000



SP400 Control Panel included in all units.

**NB! 3 supply cables are required with an electric battery.**

	L50 XW	L50 XE
Rated voltage:	400 V	400 V
Fuse, operation:	3 x 20 A	3 x 20 A
Fuse, electrical group 1:		3 x 32 A
Fuse, electrical group 2:		3 x 32 A
Rated current, operation:	16 A	16 A
Rated current, electrical group 1:		25 A
Rated current, electrical group 2:		25 A
Rated power, total:	6 200 W	40 200 W
Rated power, electric battery:		34 000 W
Rated power, fans:	2 x 2200 W	2 x 2200 W
Rated preheating power:		
Fan type:	B-wheel	B-wheel
Fan motor control:	Frequency converter	Frequency converter
Max. fan speed:	3 000 rpm	3 000 rpm
Filter type (SUP/EXTR):	F7	F7
Filter dimensions (W x H x D, mm):	4 x (592 x 490 x 550)	4 x (592 x 490 x 550)
Number of bags:	8	8
Weight:	510 kg	510 kg
Duct connection:	400 x 900 mm	400 x 900 mm
Height:	1 435 mm	1 435 mm
Width:	2 800 mm	2 800 mm
Depth:	1 300 mm	1 300 mm

# Flexit L50 X

## Accessories



**Bag Filter**  
Art.no. Type  
12352 F7



**3-way Valve**  
Art.no. Type  
56233 KVS 4.0 3-way  
56434 KVS 4.0 2-way



**Motor 3-way Valve**  
Art.no.  
56234



**Closing Air Damper w/Spring Return**  
Art.no. Type  
14483 400x900 on/off  
14484 400x900 spring return



**SP 435 Motion Detector**  
Art.no.  
09358



**SP440 CO<sub>2</sub>**  
Art.no.  
09359



**SP430 Pressure Sensor**  
Art.no.  
09357



**SP 445 Smoke Detector**  
Art.no.  
09362

## Accessories, automatic SP 400



**SP 405 Week Timer**  
Art.no. 09297



**SP 415 Forcing Switch**  
Art.no. 09299



**SP 420 Heat Control Switch**  
Art.no. 09294



**RM 400 Refrigeration Control**  
Art.no. 09356

## Accessories, automatic CS1000



**CC 1060 GSM-card**  
Art.no. 09370

Modem, antenna with cable and magnet holder, transformer and cable 0,8 m.

**CC 1061 GSM-equipment**  
Art.no. 09371



**CC 1062 LON-card**  
Art.no. 09372



**CC 1063 WEB/OPC-card**  
Art.no. 09373



**CC 1040 Room Sensor**  
Art.no. 09368



**CC 1041 Outdoor Air Sensor**  
Art.no. 09369



**CC 1050 Pressure Sensor**  
Art.no. 09367

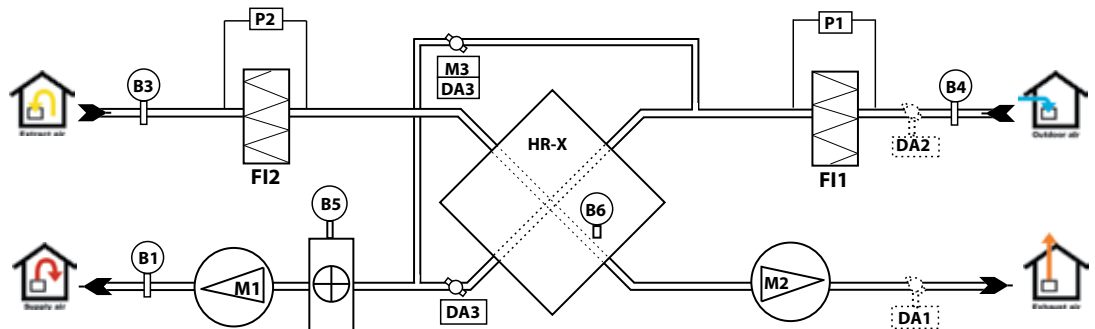


**Press Button**  
Art.no. 09364

# Flexit L50 X

## L50 XWR

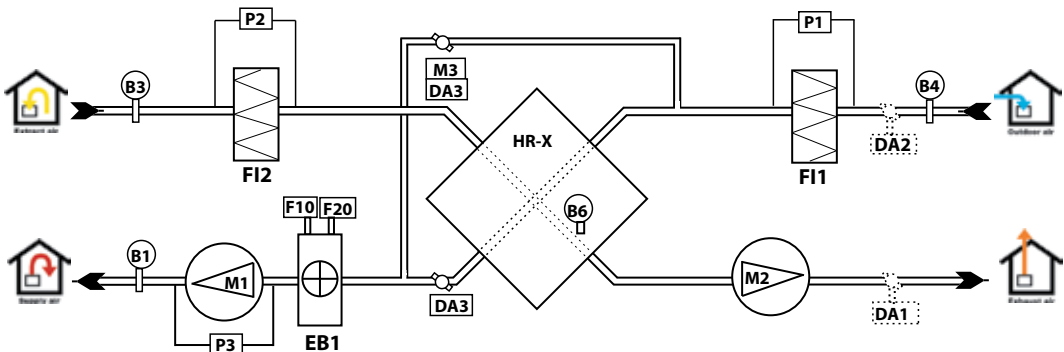
### System drawing, water-based heating



- |      |                                   |    |  |     |  |
|------|-----------------------------------|----|--|-----|--|
| M1   | Supply air fan                    | P2 | Pressure guard, extract air filter             | F10 | Overheating thermostat, manual reset   |
| M2   | Extract air fan                   | B1 | Supply air temperature sensor                  | F20 | Overheating thermostat                 |
| M3   | Air damper motor, exchanger       | B3 | Extract air temperature sensor                 | DA1 | Air damper, exhaust air (not standard) |
| F1   | Supply air filter                 | B4 | Temperature sensor, outdoor air                | DA2 | Air damper, outdoor air (not standard) |
| F2   | Extract air filter                | B5 | Water battery temperature sensor (frost relay) | DA3 | Air damper, heat exchanger             |
| HR-X | Cross heat exchanger              | B6 | Thermoguard temperature sensor                 | WB1 | Water heating battery                  |
| P1   | Pressure guard, supply air filter |    |  |     |  |

## L50 XER

### System drawing, electric heating



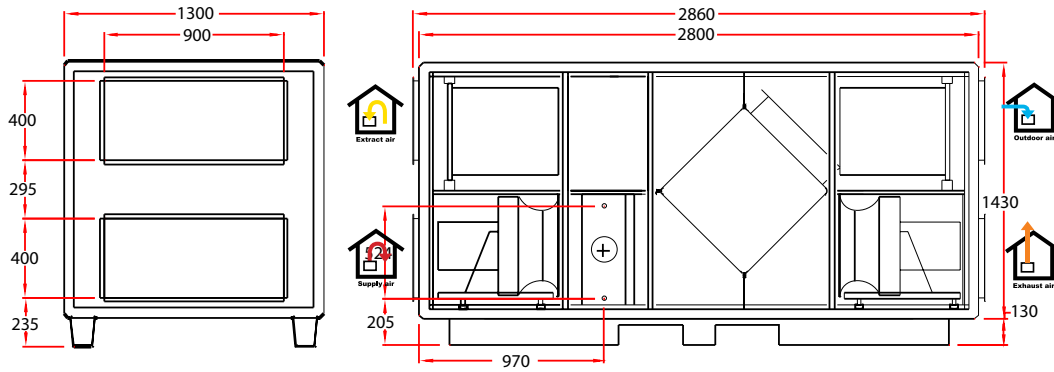
- |      |                                      |     |                                    |     |  |
|------|--------------------------------------|-----|------------------------------------|-----|--|
| M1   | Supply air fan                       | F20 | Overheating thermostat             | B3  | Extract air temperature sensor         |
| M2   | Extract air fan                      | P1  | Pressure guard, supply air filter  | DA1 | Air damper, exhaust air (not standard) |
| F1   | Supply air filter                    | P2  | Pressure guard, extract air filter | DA2 | Air damper, outdoor air (not standard) |
| F2   | Extract air filter                   | P3  | Flow detector, supply air fan      | DA3 | Air damper, heat exchanger             |
| HR-X | Cross heat exchanger                 | B1  | Supply air temperature sensor      | EB1 | Electric heating battery               |
| F10  | Overheating thermostat, manual reset | B6  | Thermoguard temperature sensor     |     |  |

# Flexit L50 X

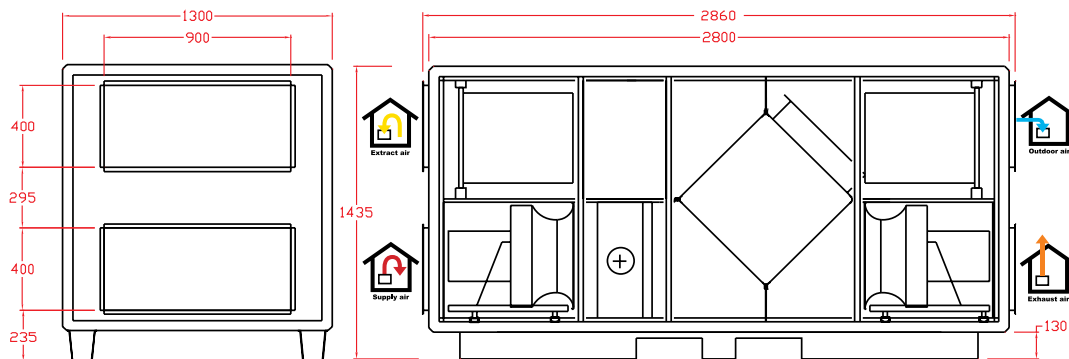
## Dimensioned drawing

Dimensions in mm

### L50 XW (water-based heating)



### L50 XE (electric heating)

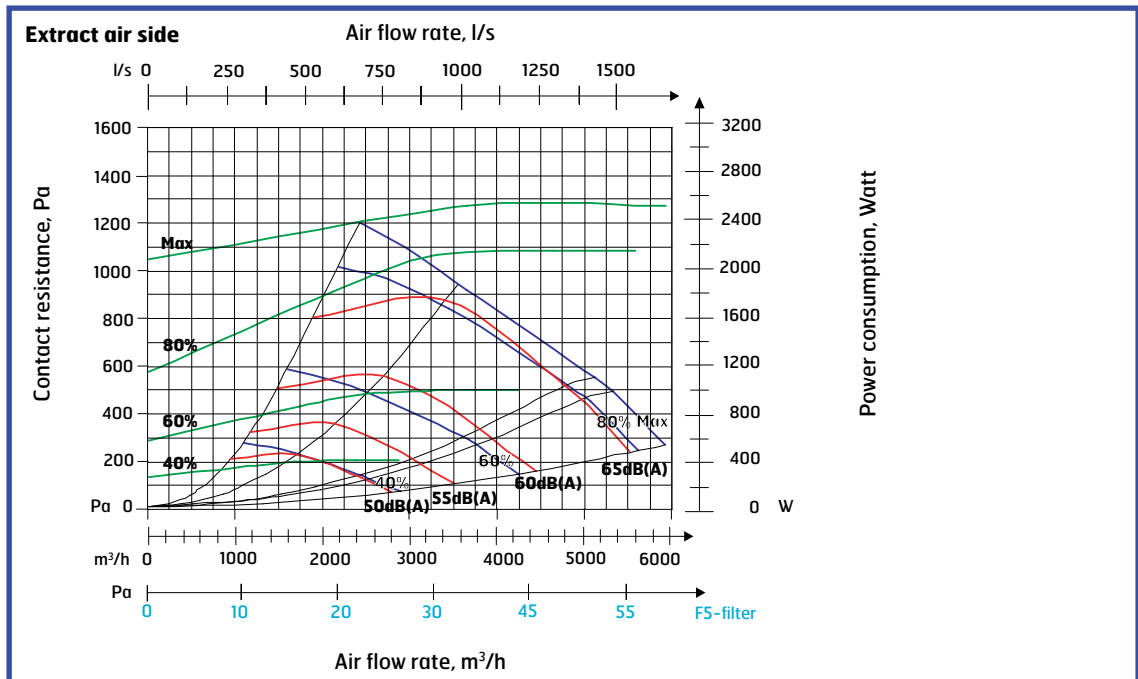
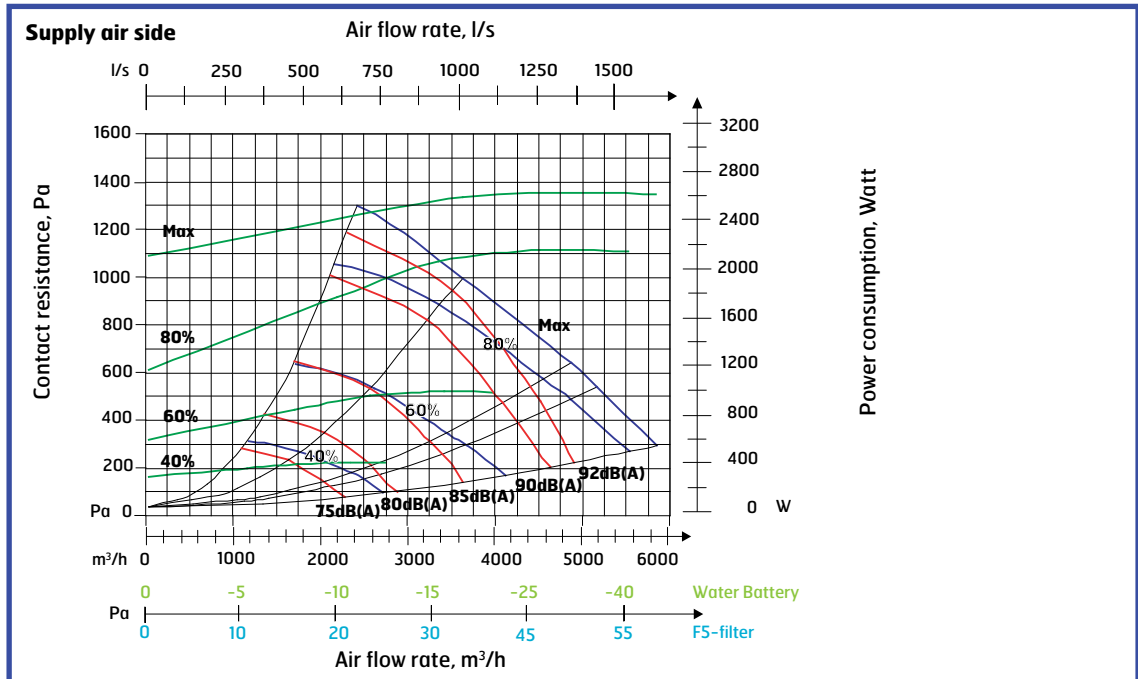


The dimensions are the same on both gable sides.

Shown as a right model. Also available as a left model.

# Flexit L50 X

## Capacity Diagram L50 X W/E (measured with an F7 filter)



Sound data is given at sound power level L<sub>wA</sub> in the capacity diagrams and is corrected with the table below for the various octave bands. Radiated noise produces L<sub>w</sub> in the various octave bands and total L<sub>wA</sub>. Radiated noise is calculated by taking the noise value from the supply air table and deducting the total value from the correction factor table.

Supply air data is measured in accordance with ISO 5136, the in-duct method. Radiated noise is measured in accordance with ISO 9614-2. Bruel & Kjaer measuring equipment, type 2260.

Correction factor for L <sub>w</sub>									
Hz	63	125	250	500	1000	2000	4000	8000	Total L <sub>wA</sub>
Supply air	-5	-12	-2	-2	-3	-11	-21	-32	
Extract air	17	8	0	-3	-12	-19	-30	-42	
Radiated	-36	-28	-25	-25	-25	-27	-31	-41	<b>-20,3</b>

**Blue curves:** Air capacity at various capacity settings in Volt.  
**Green curves:** Supply air fan power consumption at various capacity settings.  
**Red curves:** Sound power level L<sub>wA</sub>, cf. correction table.  
**Light blue correction axe:** Pressure increase using an EU-5 filter.  
**Light green correction axe:** Pressure increase using water battery.